

SEQUENCE LISTING

<110> St. Jude Children's Research Hospital
 Curran, Thomas
 Keshvara, Lakhu

<120> Cyclin Dependent Kinase 5 Phosphorylation of Disabled 1 Protein

<130> SJ-01-0032

<160> 3

<170> PatentIn version 3.1

<210> 1
 <211> 6
 <212> PRT
 <213> Mus musculus

<220>
 <221> SITE
 <222> (3)..(3)
 <223> Serine at residue #3 equates to Serine491 in mouse Dab1 sequence
 Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 p
 osition and a Lysine (K) in the +3 position

<220>
 <221> DOMAIN
 <222> (1)..(6)
 <223> smallest carboxy terminal Dab1 tryptic fragment containing a Cdk5
 phosphorylation site

<400> 1

Gln Ser Ser Pro Ser Lys
 1 5

<210> 2
 <211> 24
 <212> PRT
 <213> Mus musculus

<220>
 <221> SITE
 <222> (21)..(21)
 <223> Serine at Reisdue 21 equates to Serine515 in mouse Dab1 sequence
 Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 p
 osition and a Lysine (K) in the +3 position

<220>
 <221> DOMAIN
 <222> (1)..(24)
 <223> Dab1 tryptic fragment containing a Cdk5 phosphorylation site

<400> 2

Ser Ser Ala Ser His Val Ser Asp Pro Thr Ala Asp Asp Ile Phe Glu

1 5 10 15

Glu Gly Phe Glu Ser Pro Ser Lys
20

<210> 3

<211> 14

<212> PRT

<213> Mus musculus

<220>

<221> MOD_RES

<222> (8)..(8)

<223> PHOSPHORYLATION, equates to Serine491 in mouse Dab1 sequence
Cdk5 phosphorylation of Serine requires a Proline (P) in the +1 position and a Lysine (K) in the +3 position

<220>

<221> DOMAIN

<222> (1)..(14)

<223> Dab1 phosphopeptide domain used for antibody production

<400> 3

Thr Pro Ala Pro Arg Gln Ser Ser Pro Ser Lys Ser Ser Ala
1 5 10